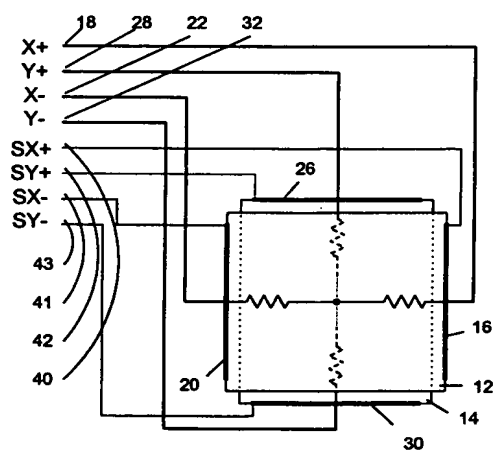


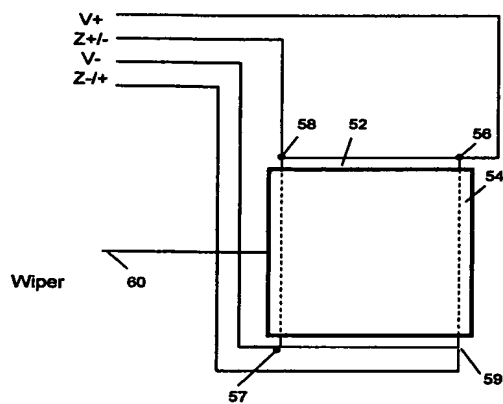
"Prior Art"

FIG. 1A



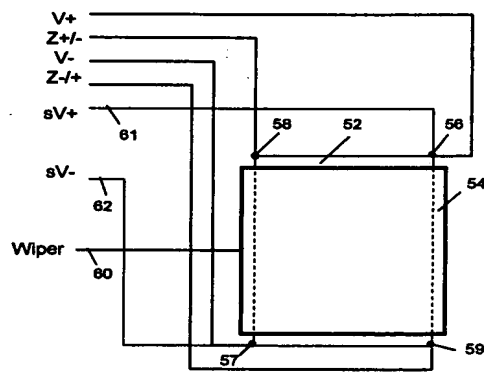
"Prior Art"

FIG. 1B



"Prior Art"

FIG. 1C



"Prior Art"

FIG. 1D

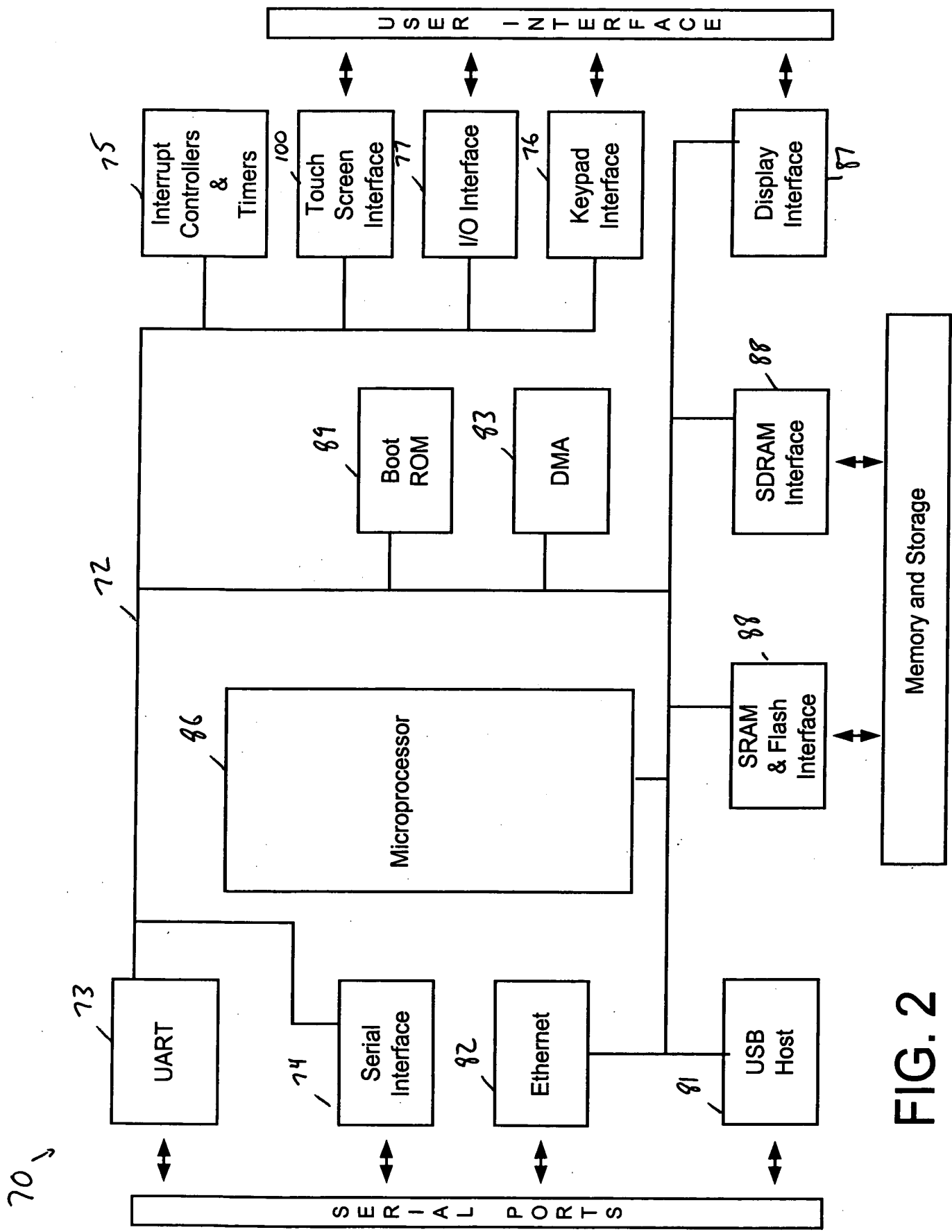


FIG. 2

[illegible]

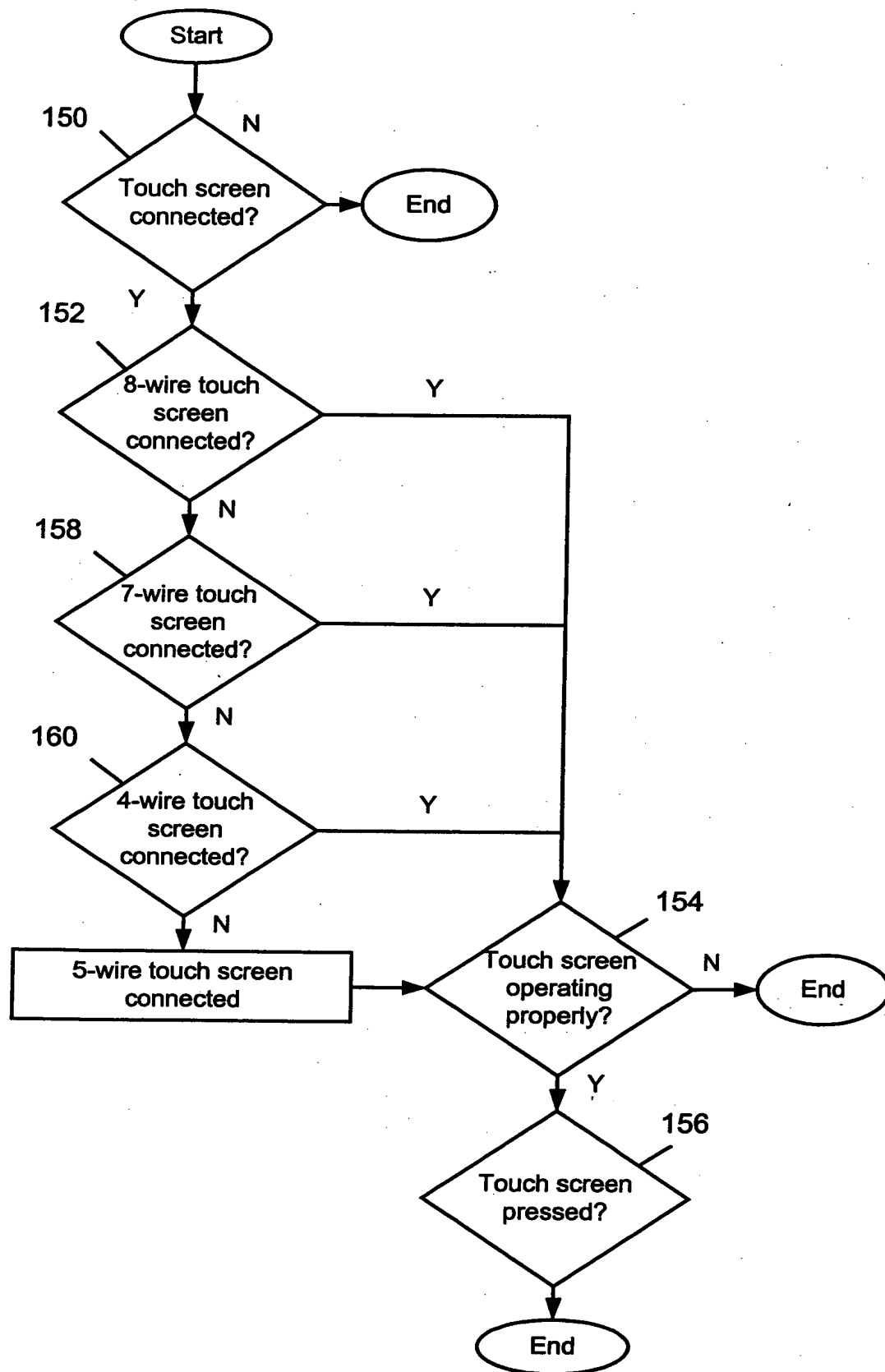


FIG. 4A

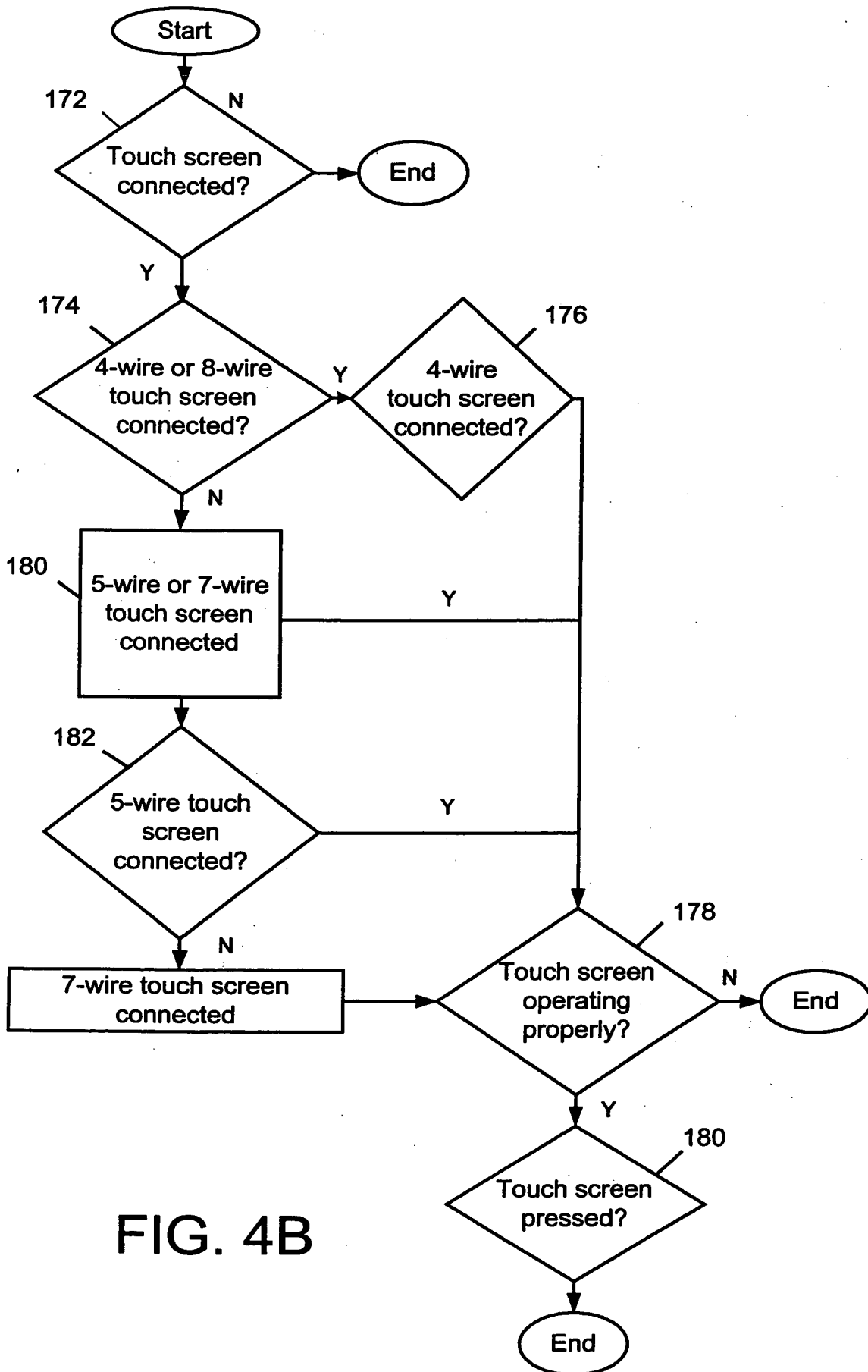


FIG. 4B

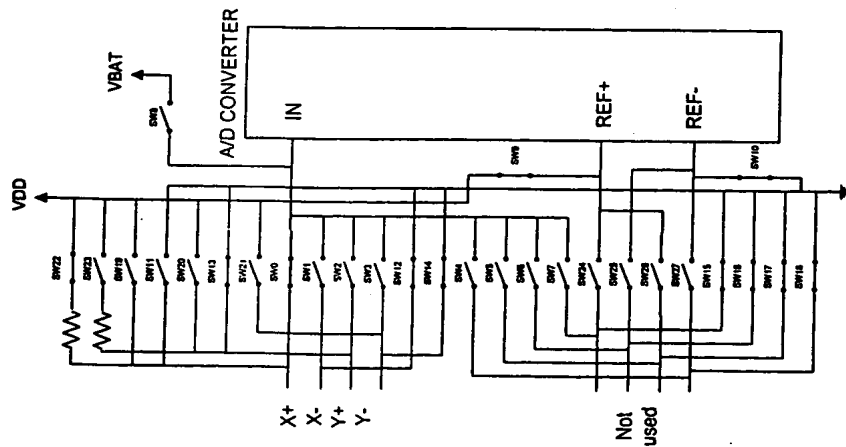


FIG. 5A

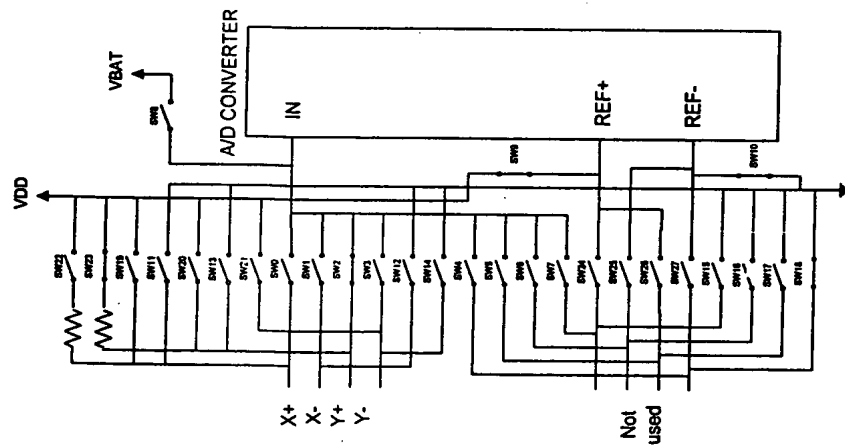


FIG. 5B

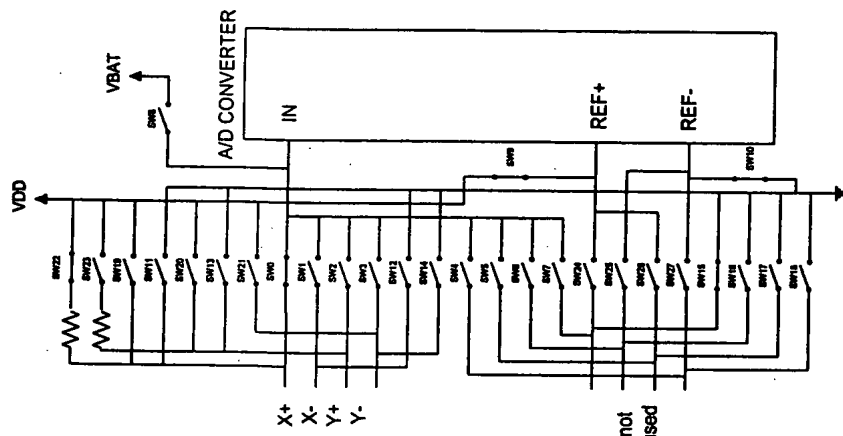


FIG. 5C

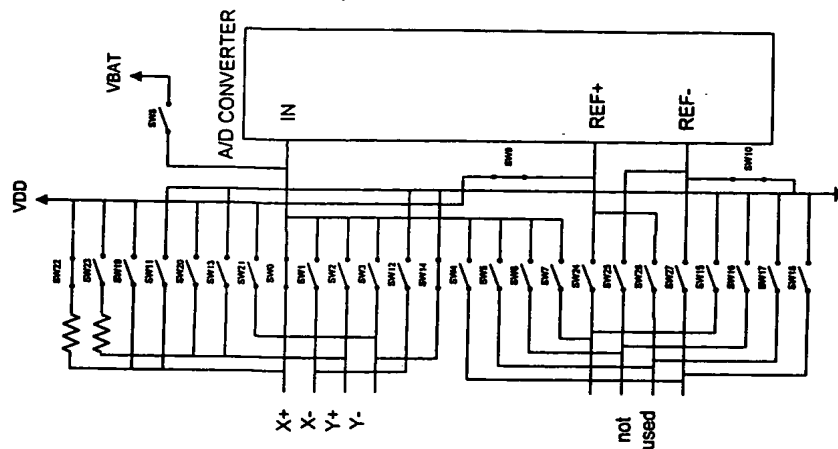


FIG. 5D

```

graph TD
    START([START]) --> 202[WAIT FOR TOUCH PRESS]
    202 --> 204[SCAN X-AXIS  
(TAKE 4, 8, 16, OR 32  
SAMPLES STORING MAX,  
MIN, AND AVERAGE)]
    204 --> 206{ABS (MAX-MIN)  
LESS THAN X  
DEVIATION?}
    206 -- N --> 202
    206 -- Y --> 208{X INT  
PENDING?}
    208 -- Y --> 210{ABS (X-XLAST)  
LESS THAN  
XMIN?}
    208 -- N --> 212{ABS (X-XLAST)  
LESS THAN  
XMAX?}
    210 -- Y --> 224[SCAN Y-AXIS  
(TAKE 4, 8, 16, OR 32  
SAMPLES STORING  
MAX, MIN, AND AVERAGE)]
    210 -- N --> 212
    212 -- Y --> 214[SET X INT PENDING  
XLAST = X]
    212 -- N --> 216[SET X INT PENDING  
XLAST = X]
    214 --> 204
    216 --> 204
    224 --> 226{ABS (MAX-MIN)  
LESS THAN Y  
DEVIATION?}
    226 -- N --> 204
    226 -- Y --> 228{Y INT  
PENDING?}
    228 -- Y --> 230{ABS (Y-YLAST)  
LESS THAN  
YMIN?}
    228 -- N --> 232{ABS (Y-YLAST)  
GREATER THAN  
YMAX?}
    230 -- Y --> 236{X INT  
PENDING?}
    230 -- N --> 232
    232 -- Y --> 234[SET Y INT PENDING  
YLAST = Y]
    232 -- N --> 238[SET INTERRUPT  
YLAST = Y]
    234 --> 224
    236 -- Y --> 238
    236 -- N --> 238
    238 --> 202

```

FIG. 6

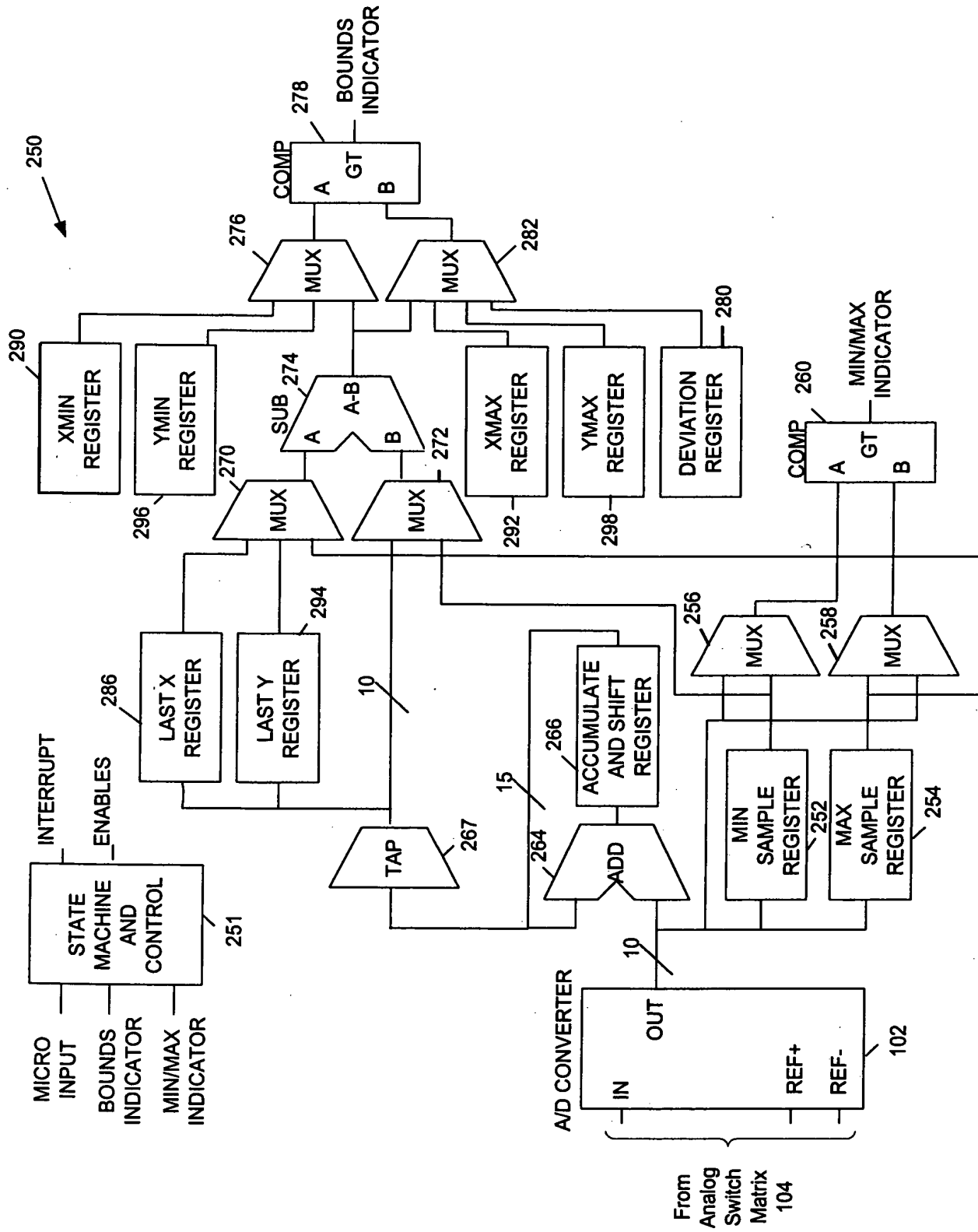


FIG. 7

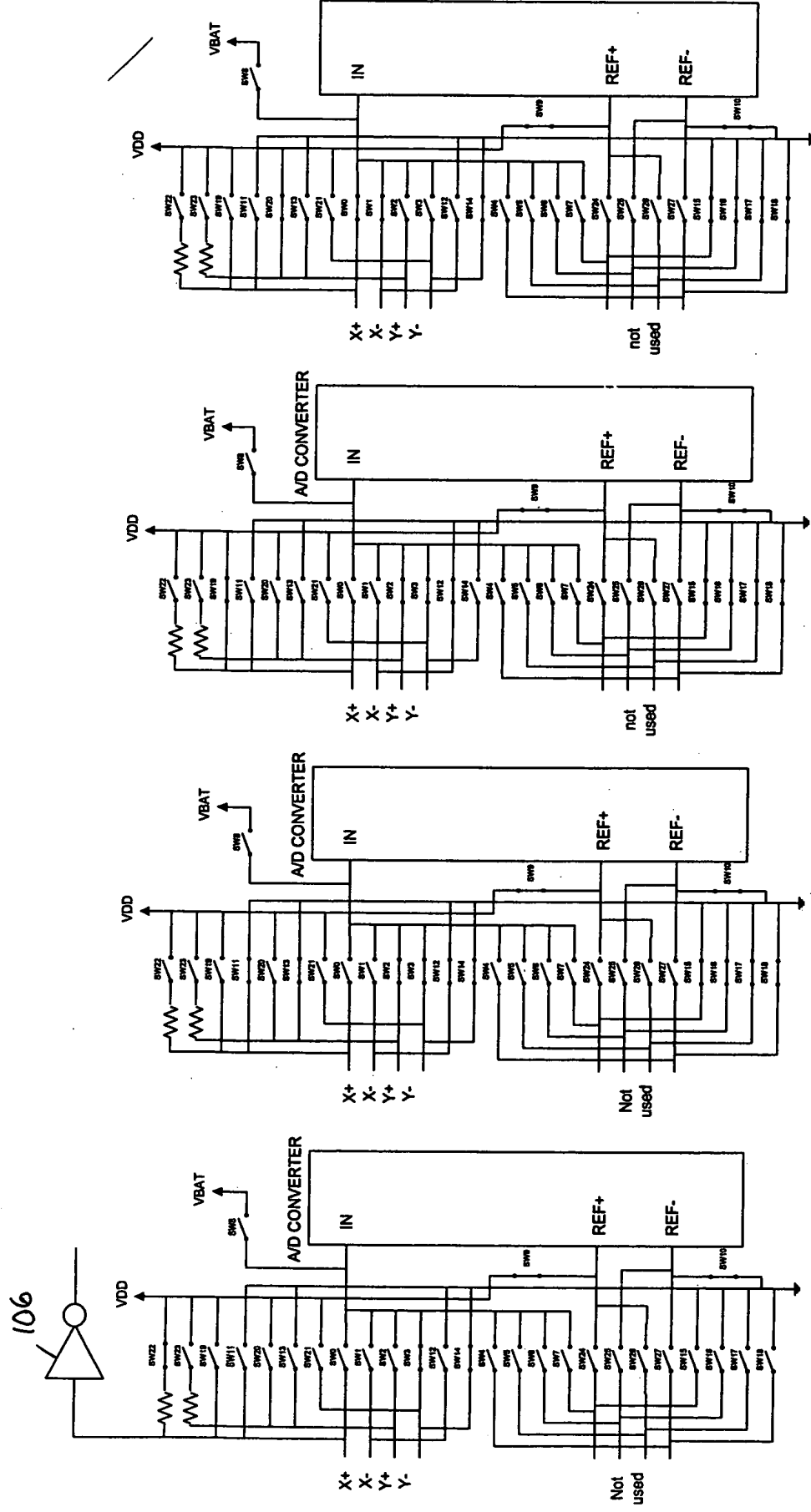


FIG. 8A

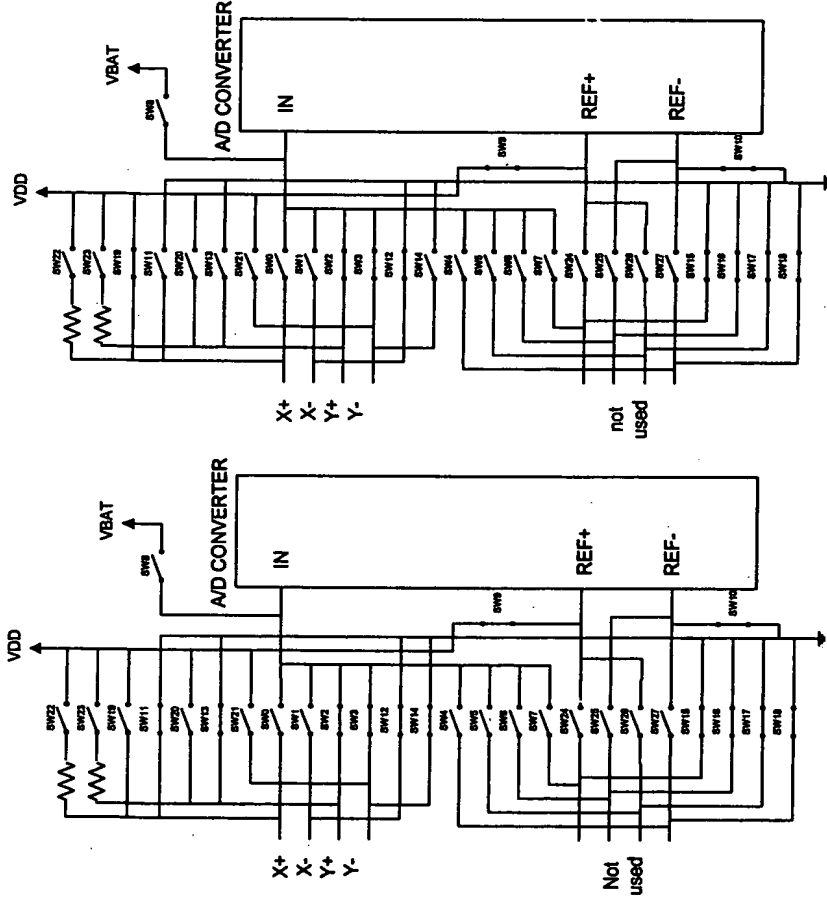


FIG. 8B

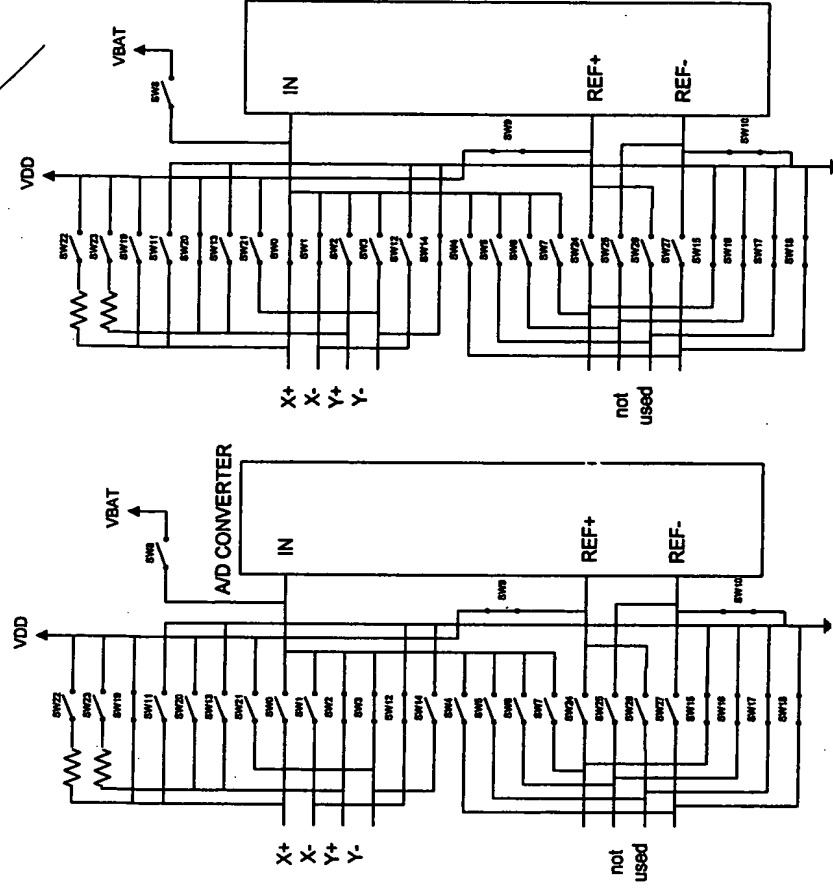


FIG. 8C

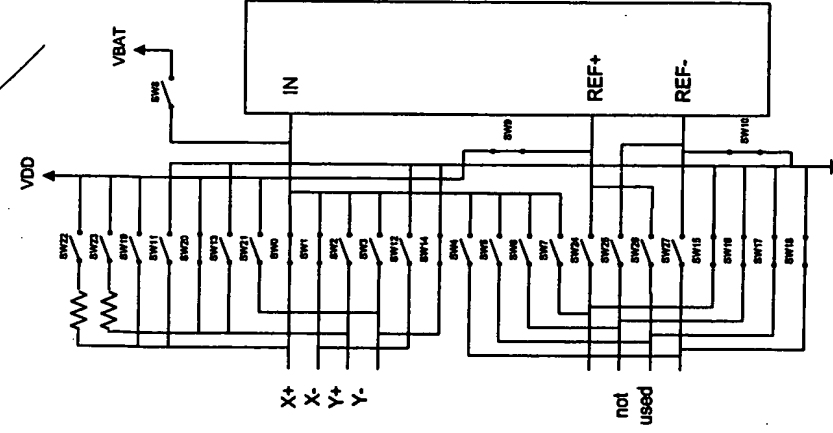


FIG. 8D

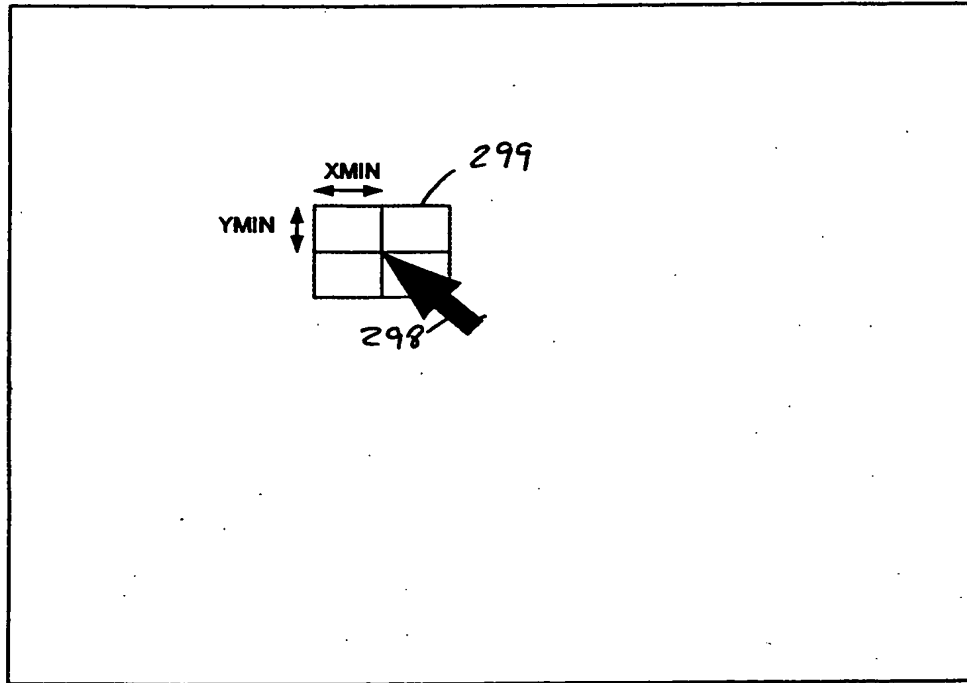


FIG. 9

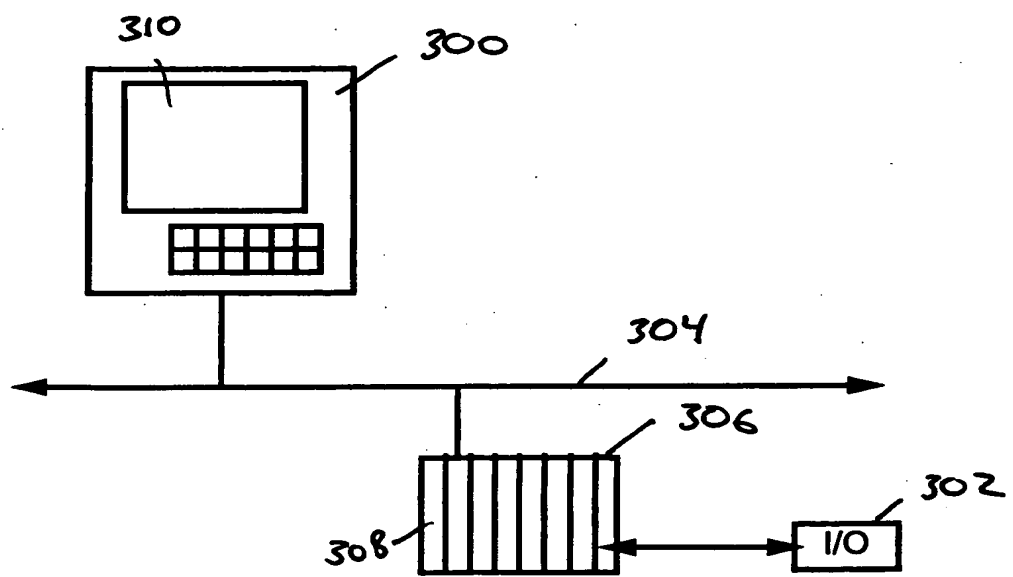


FIG. 10

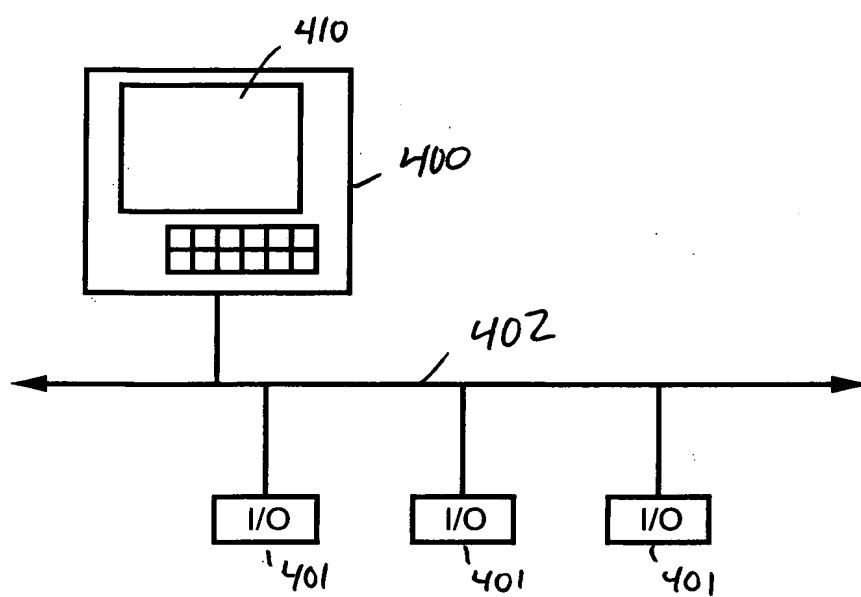


FIG. 11

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